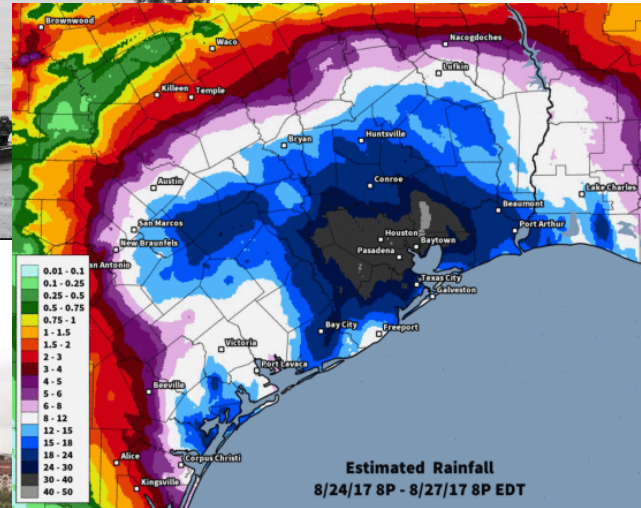




City of Houston Climate Action Plan

Why Houston is taking Climate Action



Hurricane Harvey

CITIES ARE BEING PUSHED TO THE LIMIT



Source: World Bank Group

Houston's Commitment to Climate Action



June 1, 2017: The U.S withdraws from the 2015 Paris Agreement

June 24, 2017: Mayor Turner, co-chair of Climate Mayors, commits to adopt Paris Agreement goals in Houston



407 US #ClimateMayors, representing 70 million Americans, have committed to adopt, honor and uphold the climate goals of the Paris Agreement



CLIMATEMAYORS.ORG



City of Houston: Leading by Example

- **Renewable Energy:**

- The City is the largest municipal purchaser of renewable energy for city operations, receiving 92% of its power from renewable energy

- **Building Optimization:**

- Since 2004, the City has required all new buildings to be LEED Certified; currently have 37 LEED buildings
- Since 2007, the City has invested \$70 million in energy efficiency retrofits: 6 million square feet; achieving greenhouse gas emission reductions of 35%
- Converted ~175,000 streetlights to LED technology; reducing the City's streetlight energy usage by ~50%.

- **Transportation**

- 6.3% of the City's fleet is hybrid.
- Working to develop ambitious fleet electrification goals.



What is a Climate Action Plan?



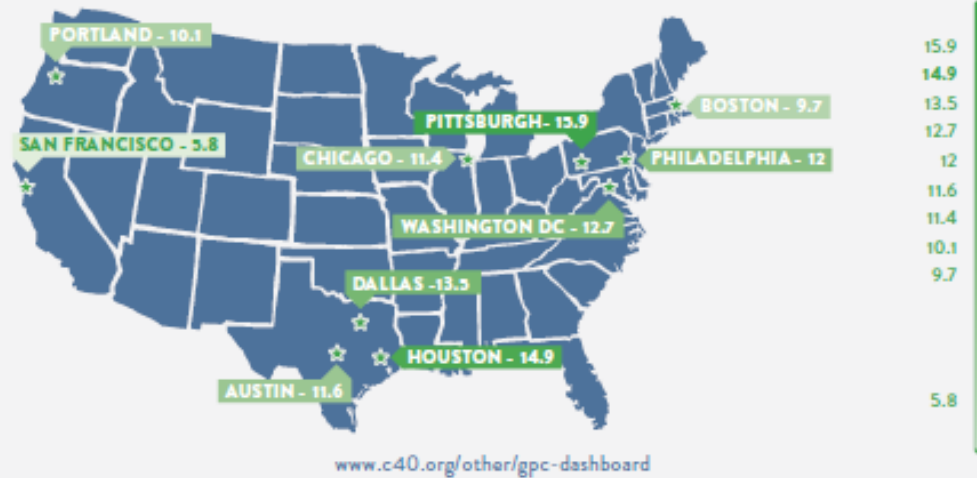
What is a Climate Action Plan (CAP)?

- A climate action plan should address the need to reduce greenhouse gas emissions, adapt to the impacts of climate change and deliver wider social, environmental, and economic benefits.
- **Objectives of plan are to:**
 - ❖ Decrease traffic congestion
 - ❖ Improve air quality
 - ❖ Provide better access to green space
 - ❖ Improve quality of life for all
 - ❖ Reduce energy costs through energy efficiency and renewable energy
 - ❖ Increase resilience and community equity

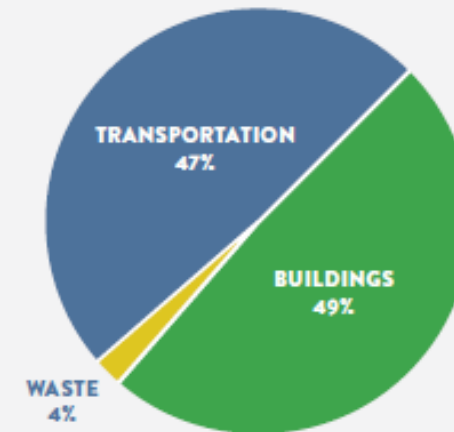


Houston Community Greenhouse Gas Emissions

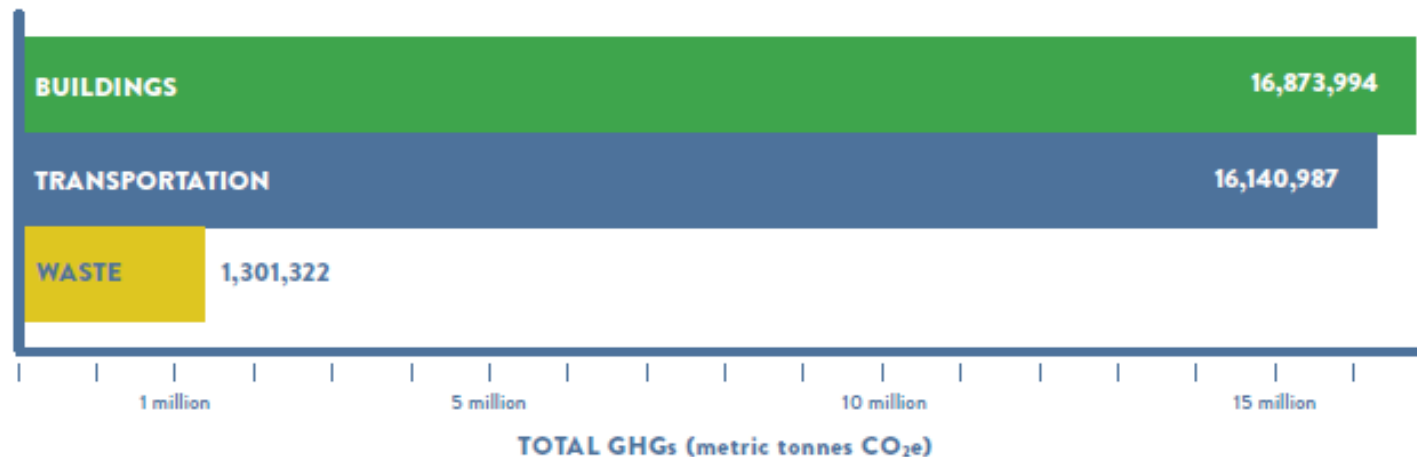
TOTAL ANNUAL EMISSIONS PER CAPITA
(Metric Tonnes CO₂e)



GREENHOUSE GAS
EMISSIONS SOURCES
HOUSTON 2014

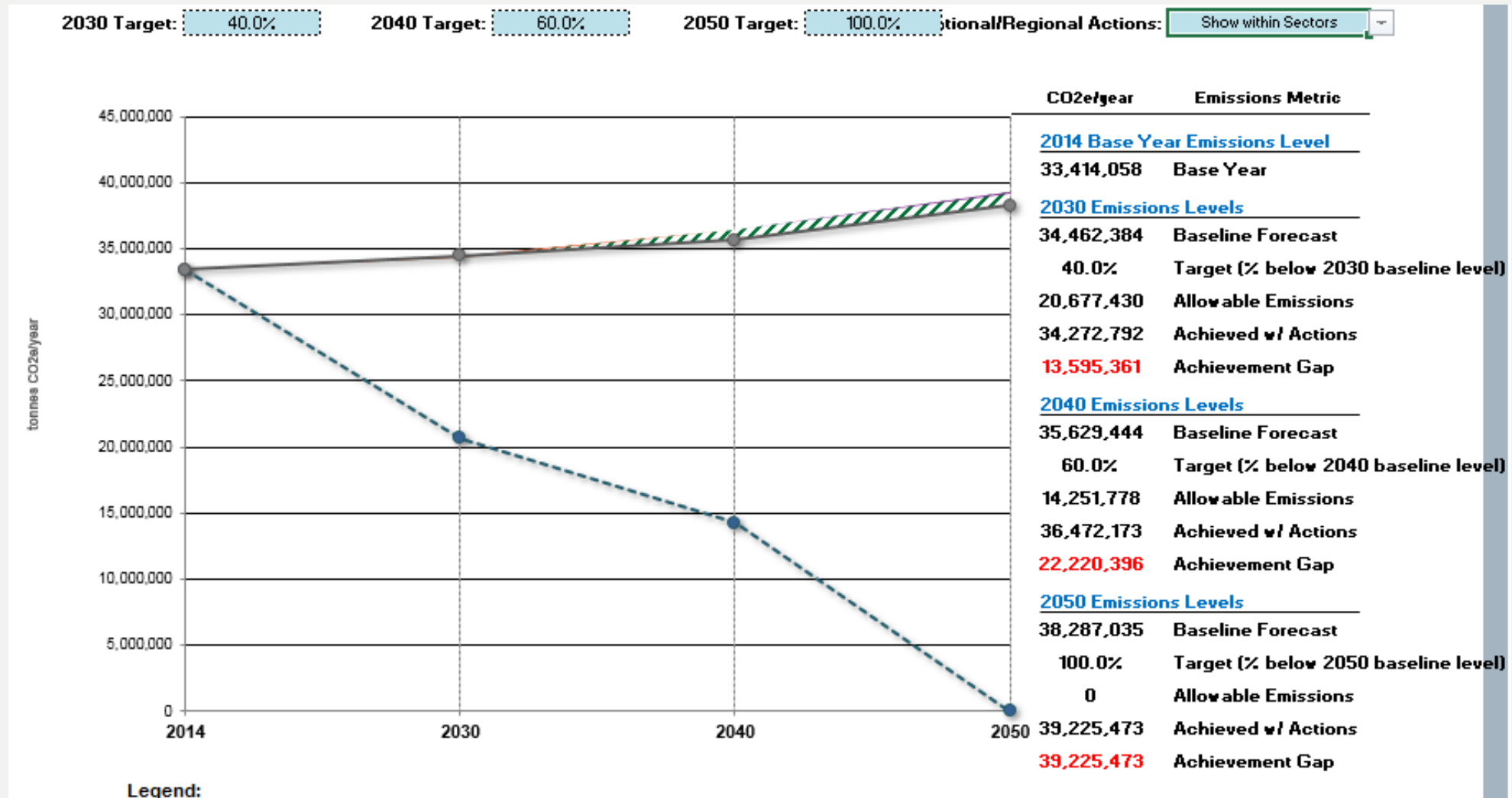


GHG EMISSIONS SOURCE (BY SECTOR)



Goals of the Houston CAP

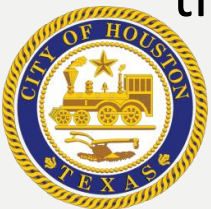
- **Goal:** Lay the foundation for actions that will make the City carbon-neutral by 2050.



What are the focus areas of the plan?

There are four distinct areas the City is looking to decrease community greenhouse gas emissions. They include:

- **Building Optimization** – improving energy efficiency of residential, commercial and industrial operations
- **Decarbonization** – increasing the amount of renewable energy; using carbon capture and sequestration to reduce amount of greenhouse gases in the atmosphere
- **Waste** – reducing the amount of waste and trash to the landfill by reducing material consumption, recycling, up-cycling and composting
- **Transportation** – identifying transportation options and implementing land-use practices that promote opportunities for multiple, equitable transportation options, movement to electric vehicles and reducing the number of vehicle trips and miles traveled.



Process for Plan Development

1

COMMIT & COLLABORATE



- Establish Plan Governance and Coordination
- Equitable Engagement and Communications

2

DEFINE & ANALYZE



- Data Gathering
- Climate Risk Prioritization
- Evidence-Based Scenario Development

3

PRIORITIZE & IMPLEMENT



- Initial Implementation Planning
- Accelerate Actions
- Monitor, Evaluate and Revise

Technical Assistance:

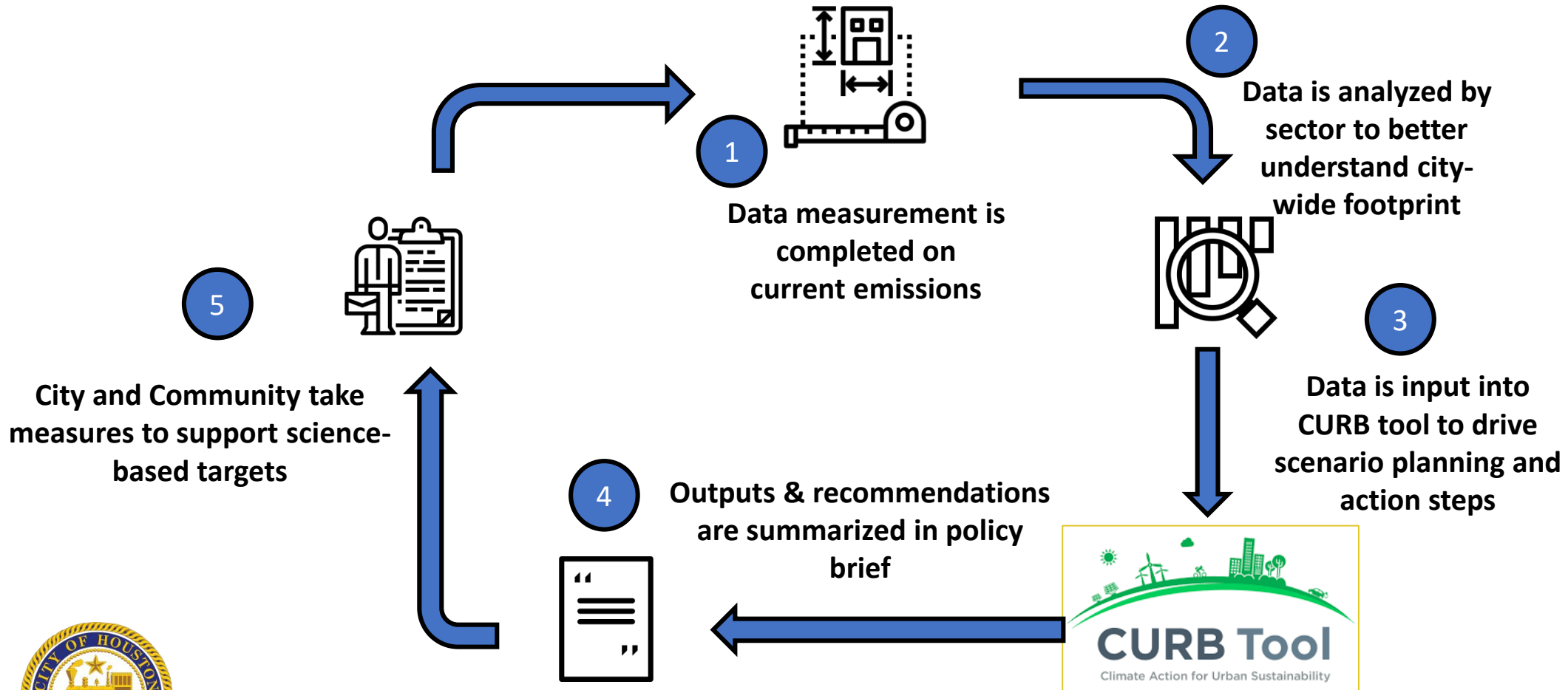


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**C4O
CITIES**
CLIMATE LEADERSHIP GROUP



Using Scenario Planning to Drive Policy



Schedule



Timeline



Schedule of Planned Events

- **Date: March 19, 2019**
Event Name: Climate Action Plan Community Meeting
Location: Sunnyside Multiservice Center / 9314 Cullen / Houston, TX 77051
Time: 6:00 pm – 08:00 pm
- **Date: April 1, 2019**
Event Name: Climate Action Plan Community Meeting
Location: Acres Homes Multiservice Center / 6719 W. Montgomery / Houston, TX 77091
Time: 6:00 pm – 08:00 pm
- **Date: April 6, 2019**
Event Name: Climate Action Plan Community Meeting
Location: Southwest Multiservice Center / 6400 High Star / Houston, TX 77074
Time: 10:00 am – 12:00 pm
- **Date: April 16, 2019**
Event Name: Climate Action Plan Community Meeting
Location: Denver Harbor Multiservice Center / 6402 Market Street / Houston, TX 77020
Time: 6:00 pm – 08:00 pm
- **Date: May 2, 2019**
Event Name: Climate Action Plan Community Meeting
Location: Northeast Multiservice Center / 9720 Spaulding / Houston, TX 77016
Time: 6:00 pm – 08:00 pm



Previous and Upcoming Events can be found at <http://greenhoustontx.gov/climateactionplan/events.html>

Discussion Questions



Discussion Question - Vision

What is your vision for the City of Houston Climate Action Plan and beyond?

- What do we need to do to be ready to deal with the impacts of our changing climate for communities, business, transportation and energy?
- How do we make sure that all Houstonians share and benefit from this vision?



Discussion Question - Priorities

What are your priorities for the City of Houston Climate Action Plan?

- What do you think is important in the planning process?
- What is important to address in the outcome of the plan?



Thank you!

Contact Information:

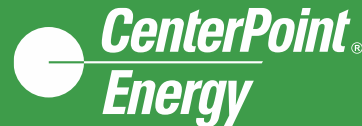
City of Houston Office of Sustainability

www.greenhoustontx.gov

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Learn more:
<http://bit.ly/Houston-CAP>



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